

## Leaksealing – Resin Injection and Waterproof Rendering



Brickwork and joints are prone to leak ...



... as are tunnels



Resin injection can be highly effective



Leakage can disrupt services if untreated



A range of specialist equipment ...



... for large and small projects

Basements, tunnels, reservoirs, tanks and many other structures can be treated using resin injection leaksealing and waterproof render techniques applied by Balvac's experienced operatives.

Infrastructure constructed below ground or as water retaining structures often suffers from water leakage problems. Leakage can occur through construction joints, cracks, casting defects, movement joints, service ducts and tie bolt holes. All can be successfully treated using modern techniques and materials.

**Injection Leaksealing:** This technique is the most frequently adopted for linear defects or defined water tracks. The location of the leak can appear to be obvious, however the route of the water track is often complex.

Treatment commences with the drilling of holes into the structure to intercept water tracks. These holes are then used to determine the extent of the leakage by injecting water under pressure and observing the surface expression of the leakage.

The same holes can then be used to introduce special penetrative resins developed to react within the structure and seal the leakage. The selection of materials and adjustment of setting times can be tailored to suit the circumstances.

Some structures are designed to have some water leakage. Leaksealing can be used to control water flow to occur where it is designed to and not in an undesirable location.

**Waterproof Rendering:** Dampness within underground structures can frequently have multiple minor water tracks that are not treatable by injection techniques. Brickwork structures have obvious multiple tracks through the mortar bedding and joints. In these circumstances there are waterproofing render systems that can be applied to substrates as internal tanking.

The render systems are machine or hand applied polymer modified cementitious products developed to bond to damp substrates and provide a sealed surface.

**Specialist Equipment:** A dedicated plant fleet provides the necessary resource to tackle large and small projects alike.

## Balvac

Sherwood House, Gadbrook Business Centre, Rudheath, Northwich,  
Cheshire. CW9 7TN

Tel: 01606 333 036 Fax: 01606 812 497

Email: [enquiries.balvac@balvac.co.uk](mailto:enquiries.balvac@balvac.co.uk)

[www.balvac.co.uk](http://www.balvac.co.uk)